# Minor in Mathematics - Secondary Certification

## Teaching Certification Program

The following mathematics minor is for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin.*

*You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department office.*

### Required Courses

| Item # | Title | credits |
| --- | --- | --- |
| MATH 141 | Introduction to Probability and Statistics | 3 |
| MATH 181 | Calculus I | 4 |
| MATH 182 | Calculus II | 4 |
| MATH 211 | Logic and Set Theory | 3 |
| MATH 341 | Geometry | 3 |
| MATH 361 | Introduction to Linear Algebra | 3 |

### Mathematics 6 Hours Upper Division Electives

| Item # | Title | credits |
| --- | --- | --- |
| MATH 321 | Differential Equations | 3 |
| MATH 322 | Partial Differential Equations | 3 |
| MATH 371 | History of Mathematics | 3 |
| MATH 381 | Complex Variables | 3 |
| MATH 411 | Numerical Analysis with Application | 3 |
| MATH 431 | Abstract Algebra | 3 |
| MATH 441 | Calculus-Based Probability Theory | 4 |
| MATH 461 | Number Theory | 3 |
| MATH 471 | Real Analysis | 3 |
| | **Total credits:** | 26 |